

**Notice of Allowability**

Application No.

10/713,167

Examiner

Teresa M. Bonk

Applicant(s)

YAMANAKA ET AL.

Art Unit

3725

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 4/3/2006.
2. ☒ The allowed claim(s) is/are 1.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All b) ☐ Some\* c) ☐ None of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
  - \* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
  - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date \_\_\_\_\_
7. ☐ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

  
**DERRIS H. BANKS**  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 3700

## NOTICE OF ALLOWANCE

### *Allowable Subject Matter*

1. It is in the opinion of the examiner that the art of record neither anticipates nor renders obvious “a lift mechanism including a lifting plate which is disposed below the lower die and a lifting rod which is operatively coupled to a lower die lift cylinder, and which is operable to raise the lower die above an upper end of the die holder via the lifting plate when the lower die is unclamped” in combination with the rest of the claimed limitations set forth in the independent claim.

2. Further searching by the examiner yielded additional prior art as follows:

Yonezawa (4,301,673) discloses a lower die assembly (first die 5) for a pressing machine (1) comprising a die holder (bolster 3 and Figure 1), a clamp mechanism (hydraulic clamp 7 and Figure 1), and a lift mechanism (die lifter unit 9, lifter body 13, a pair of hydraulic cylinders 22 and Figure 2 and 4).

Smith (3,673,908) discloses a lower die assembly (mating tapered die member or stripper plate 26) for a pressing machine (fineblanking press 10) comprising a die holder (frusto-conical cavity 25 and Figure 2), a clamp mechanism (“locking means comprise a pair of locking pins (48)” Column 2, lines 1-2, also see Column 1, lines 65-70; Column 3, lines 20-26; and Column 6, lines 51-53), and a lift mechanism (“the fluid moves the piston rods 82 to lift or dislodge or eject the die members 26 and 27 for a quick interchangement” (Column 5, lines 19-21) and a series of three double acting fluid cylinder means 78).

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3. However the above prior art fails to disclose a reasonable combination of "a lift mechanism including a lifting plate which is disposed below the lower die and a lifting rod which is operatively coupled to a lower die lift cylinder, and which is operable to raise the lower die above an upper end of the die holder via the lifting plate when the lower die is unclamped." Therefore, it is concluded by the examiner that claim 1 of the present invention are allowable.

4. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Conclusion***

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure and further show the state of the art: US Patents 6,134,938 and 3,269,168.


6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Teresa M. Bonk whose telephone number is (571) 272-1901. The examiner can normally be reached on M-F 7:30AM - 5PM with alternating Fridays.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Derris Banks can be reached on (571) 272-4419. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Teresa M. Bonk  
Examiner  
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A handwritten signature in black ink, consisting of a large, stylized 'D' followed by a series of loops and a horizontal line extending to the right.

**DERRIS H. BANKS**  
**SUPERVISORY PATENT EXAMINER**  
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